Work Order ID 94136 Page 1 November-30-12 9:27:07 AM D3917-3 *N900040100* Item ID: Accept **Revision ID:** Washer Item Name: Start Qty: 5.00 **Start Date:** 12/04/12 **Cust Item ID:** Required Date: 12/14/12 Req'd Qty: 5.00 **Customer:** Reference: Process Plan: ML5 Date: 12-12-03 Tooling: Approvals: QC: Date: SPC (Y/N): Date: sequence ID/ Operation Set Up/ Tool ID Tool # Plan Reject Reject Insp. Accept Work Center ID Qty Description Code Number Stamp **Run Hours** Qty Draw Nbr **Revision Nbr** Α D3917 0.00 *100* 0.00 Hardinge Memo Hardinge CNC Lathe Small TURN AS PER FOLIO FA876 & DWG FOLIO REV: W/A 13-1-8 DWG REV: **DEBURR**

0.00

0.00

13-1-8

...

zan^ak

QC2- Inspect parts off machine FAI/FAIB

Memo

110

QC

110

Quality Control

				DQA:	Date:	
			•			
ICR.	Vec / No	WORK ORDER NON-CON	IFORMANCE / LIPDATE			

										QA Closed:	Date:	
Work Orde	er:				DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Part No. NCR No.					Rework Scrap Use-as-is Work Order Update		Skid-tube Crosstube Machining Small Fab Thermoforming Finishing Large Fab Composite			Water Jet Engineering Prod. Eng. Coor. Quality Rec/Store/Packaging Other Supplier		
Root				Descri	iption of work order update	П	nitial	Ac	tion	Sign &		
Cause	Dat	e Step	Qty		or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling		ł	}					1				
Operator										ļ		
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Other												
Process		•										
Supplier							•					
Training												
Unapproved	<u> </u>		<u> </u>	L		<u> </u>						
		··				AUL	T CATE	GORY				
Landi	ng Gear				General	_	l		r	1	-	-
	Bendi	_		. —	Bend	-	Grain		<u> </u>	Ovalized	_	Pressure/Forced
,		Not Conce	ntric to	o/s	BOM/Route	\vdash	Hardwa		<u> </u>	Over/Under	—	Temperature/Cure
	Cracks			<u> </u>	Broken/Damaged	-		ion Incomplete	<u> </u>	Part Incorre	-	Weld
·	—	ed/Crimped		<u> </u>	Burrs	-		tions Incomplete/	Unclear	Part Lost/M	issing	Wrong Stock Pulled
	Cuffs			<u> </u>	Contamination	-		enance		Part Moved		
	Heat 1			<u> </u>	Countersink	\vdash	Mislab		ļ	Positioned V	_	¬
	_ `	tion Strip in	Tube	\vdash	Cut Too Short	\vdash	Misrea	d	<u></u>	Power Loss/	Surge	Other
	⊢ ' ' '	s in Bend	_	\vdash	Drill Holes	-	Offset	- 44				
		e Waves in		n	Drawing	-		Calibration				
	_	g Sequence			Finish	-	1	Sequence				
	Wave,	Twist in Tu	be	1	Folio	1	Outside	e Dimensions				

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

MF 13-07-09

												DQA:	Da	ate:	
NCR:	Yes /	No No				WORK ORDER NON-	COI	NFORM	MANCE / UPE	DATE					
												QA Closed:	Da	ate:	
Work Ord	or.					DISPOSITION				AGAINST D	EP	PARTMENT	PROCESS		
Work Ord						Rework]		Skid-tube	Crosstube	٦		Water Je	t	Engineering
Part i	No.			-		Scrap	1	l .	Machining	Small Fab		Pro	d. Eng. Coor		Quality
		,				Use-as-is		4	noforming	Finishing	\exists	Rec/Stor	e/Packaging	_	Other
NCR I	No					Work Order Update	_		Large Fab	Composite			Supplie	r	
Root					Descri	ption of work order update		Initial	Act	ion		Sign &			
Cause		Date	Step	Qty	·	or Non-conformance	Cł	nief Eng	Descr	iption		Date	Verification	on	QC Inspector
Doc/Data															
Equip/Tooling											1				
Operator	Ш														
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Setup .					•						١				
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Process															
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Training															
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Landi	ng Ge	ar				General		_							,
	Ш ^В	ending				Bend ·		Grain		L	╝	Ovalized		L	Pressure/Forced
	∐c₁	entre No	ot Concer	ntric to	o/s	BOM/Route		Hardwa	re	_		Over/Under	tolerance		Temperature/Cure
1	Шc	racks				Broken/Damaged		Inspect	ion Incomplete			Part Incorre	ct		Weld
·	∐ Cı	rushed/	Crimped.			Burrs		Instruct	ions Incomplete/L	Jnclear [Part Lost/Mi	ssing		Wrong Stock Pulled
	∐ Cı	uffs				Contamination		Mainte	enance			Part Moved			,
1	یا 🗀 ا	oot Troo	+			Countersink		Adiciaho	olod			Positioned V	Vrong		

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Power Loss/Surge

Other

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

November-30-12 9:27:06 AM

Work Order ID:

94136

Parent Item:

D3917-3

Parent Item Name:

Washer

Start Date: 12/04/12

Required Date: 12/14/12

Start Qty: 5.00

Required Qty: 5.00

Comments:

Ipp Rev:A New Issue 09-12-02 JLM Verified by:DD

IPP Rev:B as per dwg REV.A DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MDELRINR0.750 Delrin Round Bar 0.75"		Purchased	No			100	f	207.3570	0.02	0.1052632	,		D
				Location		Loc Oty	<u>Lo</u>	c Code					

Location	Loc Oty	Loc Code
MAT055	207.357	
116183	2.4	
117273	1.555	
117322	0.94	
121783	68.648	
122582	40.487	
123698	93.327	

NCR:	Yes	/ No		-		WORK ORDER NON-C	O	NFORM	MANCE / UPI	DATE			
											QA Closed:	Date:	:
Work Orde	er: ˌ					DISPOSITION	,				EPARTMENT,		1 \square
Part I	•					Rework Scrap Use-as-is Work Order Update		Therm	Skid-tube Machining Moforming Large Fab	Crosstube Small Fab Finishing Composite		Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root					Descri	ption of work order update		nitial	Act	ion	Sign &		
Cause		Date	Step	Qty		or Non-conformance	Ch	ief Eng	Descr	ription	Date	Verification	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved									·				
							AUL	T CATE	GORY				· · · · · · · · · · · · · · · · · · ·
Landi	ing Gear Bending Centre Not Concentric to O/S Cracks Crushed/Crimped Cuffs Heat Treat Inspection Strip in Tube				Cut Too Short		Grain Hardware Inspection Incomplete Instructions Incomplete/Unclear Maintenance Mislabeled Misread		Jnclear	Ovalized Over/Under Part Incorred Part Lost/M Part Moved Positioned V Power Loss/	ct sissing Vrong	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other	
		Ripples ir Torque W		xtrusio	n	Drill Holes Drawing		Offset Out of (Calibration				· · · · · · · · · · · · · · · · · · ·

Out of Sequence

Outside Dimensions

DQA:

Date:

Turning Sequence

Wave/Twist in Tube

Finish

Folio

DART AEROSPACE LTD	Work Order:	94136
Description: Washer	Part Number:	D3917-3
Inspection Dwg: D3917 Rev: A		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

	FIRST	ARTICLE IN	ISPECTION	ON CHE	CKLIST		
	X	First Artic	cle	Proto	type		
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Co	mments
Ø0.65	+/-0.030	7.28			21-5	Ve	12
0.06	+0.000/-0.020	-052					1
Ø0.257	+0.006/-0.001	257					
			<u> </u>				

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	Das						
easured by:	9'3' 13	Audited by:	Ŋ.a.		Prototype Ap	proval:	N/A
	3/1/8	Date:	13/01/2	08		Date:	N/A
	Change		13/-119		Revise		Apprøve
	New Issue				KJ	~ <u>~</u> ~~	+ <i>~~~</i> //

